



# **NSAWC Rapid Prototyping Cell**

**Boyd "Chip" Bunker RPC  
Lead**

# RPC Partners

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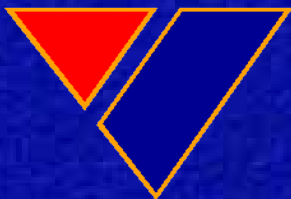


**PMA-233 Mission Planning  
Program Office**



**Joint Deployable  
Intelligence Support  
System**

***SPAWAR***



**SPAWAR PMW 157 GCCS-M**

# Briefing Agenda

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- ◆ **Background**
- ◆ **RPC Scope**
- ◆ **RPC Concept**
- ◆ **Current Projects**
- ◆ **Completed Projects**

# **Background**

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- ◆ **Fleet has been developing programs for years**
- ◆ **Fleet developed programs have succeeded where programs of record have missed the mark**
- ◆ **Support for some “Fleet” developed tools ends when “Fleet” developer transfers**
- ◆ **Current acquisition process takes between 2-3 years and is priority dependent**
  - **From concept of idea to IOC is even much longer (JMPS)**
  - **RPC will strive for 2-3 month turn-around**

# RPC Scope

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## ◆ Evaluation of all innovations

- Interim capability desired: RPC project
- Too complex: sent to POR

## ◆ Determine level of concern

RPC SCOPE

- Administrative (i.e. Quiver, Debrief+)
  - Provides useful information to assist in the planning and execution of missions
- Accuracy (i.e. WSZUP, PMPT Extension)
  - Information on which mission decisions are made
- Safety of Flight (i.e. none)
  - Provides information to avionics (data loads) or models that calculate aircraft performance

# **RPC Concept**

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- ◆ **A repository for fleet innovations**
  - **Collection of Fleet ideas and programs**
  - **Support center for selected innovations**
- ◆ **Guide and assist fleet/contractor developments**
- ◆ **Provide a Software prototype**
  - **Requirements definition**
  - **Connects POR to End-User**
- ◆ **TAC D&E Support**



# Current Projects

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- ◆ **CAS Toolkit**
- ◆ **RAMS**
- ◆ **ATO Parsers**

# Completed Projects

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- ◆ **RAMS**
- ◆ **Debrief +**
  - On all Carriers.
- ◆ **Poseidon**
  - HSL Atlantic
- ◆ **Screen Grabber**
  - On website for download



# NSAWC RPC

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**Any Questions?**